



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/720,563	11/24/2003	Mutsumi Matsuura	051319/0077	5730

7590 06/23/2005  
Schulte Roth & Zabel, LLP  
Intellectual Property Docketing  
919 Third Avenue  
New York, NY 10022

EXAMINER	
MARCELO, EMMANUEL MONSAYAC	
ART UNIT	PAPER NUMBER
3654	

DATE MAILED: 06/23/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

10/720,563

Applicant(s)

MATSUURA ET AL.

Examiner

Emmanuel M Marcelo

Art Unit

3654

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 18 April 2005.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-4 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-4 is/are rejected.
- 7) ☒ Claim(s) 4 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 28 March 2005 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |   |   |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)                        | 4) <input type="checkbox"/> Interview Summary (PTO-413)                     |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)    | Paper No(s)/Mail Date. _____  |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____   | 6) <input type="checkbox"/> Other: _____                                    |

4

## **DETAILED ACTION**

### ***Drawings***

The drawings were received on April 18, 2005. These drawings are approved.

### ***Claim Rejections - 35 USC § 112***

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 2-4 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

With respect to claim 2, line 1, the recitation of "a guide groove" is also recited in claim 1, line 12. Is the recitation of "a guide groove" the same as the recitation of "a guide groove" of claim 1? Note that setting forth the same element again amounts to double inclusion.

With respect to claim 4, the recitation "the base end portion" lacks positive antecedent basis in the claims.

### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Art Unit: 3654

Claims 1-3 are rejected under 35 U.S.C. 102(b) as being anticipated by Applicant's Prior Art figures 6-8.

The prior art figures disclose a bobbin main body having flanges (104, 105) at both ends in the axial direction of a cylindrical winding drum portion; two terminal supports (the two protrusions at 106 in Fig. 6 and 206 in Figs. 7 and 8), at a portion of one of the flanges protruding in the outer direction of the diameter direction, with a gap (gap between the supports) between the two terminal supports, the terminal supports being provided with two terminal pins 107 that are standing; a wire (109, 209) that is wound around the outer circumference of the winding drum portion of the bobbin main body, each end of which are respectively wound and fixed to the terminal pins; a coil bobbin structure in that the two terminal supports are installed and the terminal pins are provided respectively to each terminal support so as to be standing; and a guide groove (groove or step under each terminal support) is provided respectively to each terminal support, and wherein each extremity of the wire passes from the winding drum portion through the gap between both terminal supports (as in Fig. 7), is wound into each terminal support, passed through the guide groove, is guided to the terminal pin and is wound and fixed to the terminal pin.

***Allowable Subject Matter***

Claim 4 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

***Response to Arguments***

Applicant's arguments filed March 28, 2005 have been fully considered but they are not persuasive.

In reply to the remarks bridging pages 6 to 7 regarding the two terminal supports, Prior Art figure 6, for example, clearly shows a support for each pin. Nothing in the language of the claims precludes a unitary structure.


***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Emmanuel M Marcelo whose telephone number is 571-272-6949. The examiner can normally be reached on Monday - Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Katherine Matecki can be reached on 571-272-6951. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Art Unit: 3654

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Emmanuel M Marcelo

Primary Examiner

Art Unit 3654

emm

June 21, 2005





Title: COIL BOBBIN STRUCTURE  
Inventors: Matsumi MATSUURA and Genta YOSHII  
Serial No.: 10/720,563— Filed: November 24, 2003  
Schulte Roth & Zabel, LLP — John J. Skinner, Jr.  
Atty. Ref.: 051319/0077

2/2

REPLACEMENT SHEET

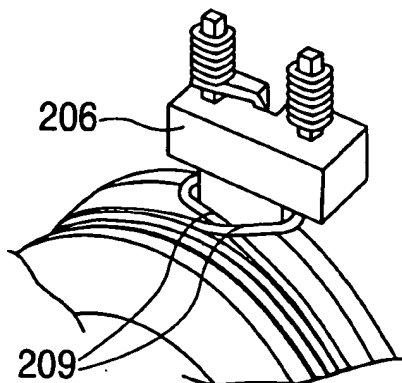


FIG. 8  
PRIOR ART

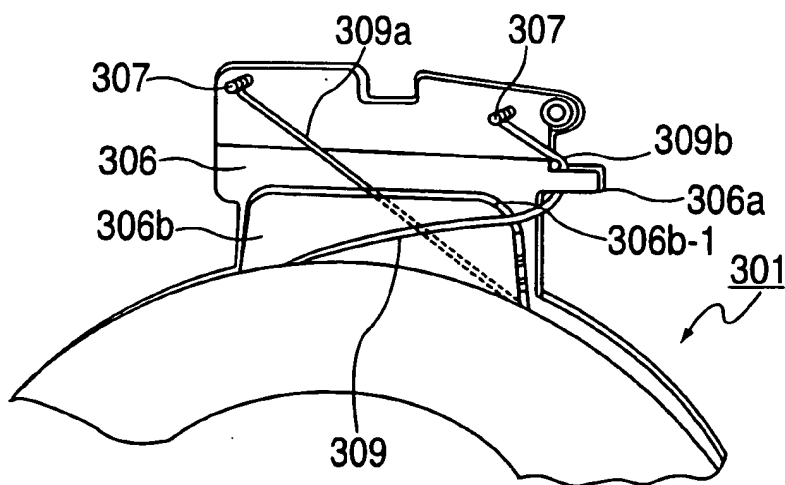


FIG. 9  
PRIOR ART